Starrett®

HDV300
HE400
HB400
HD400
HF600
HF750
VB400
VF600

Optical Comparators

METROLOGY SOLUTIONS

Starrett VF600

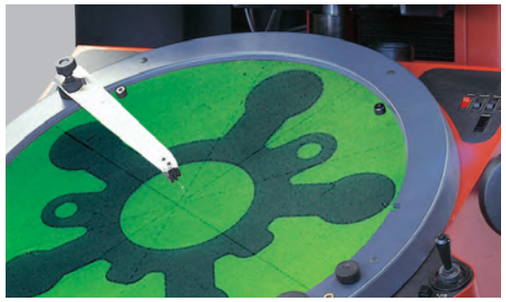
Vertical Floor Standing Optical Comparator

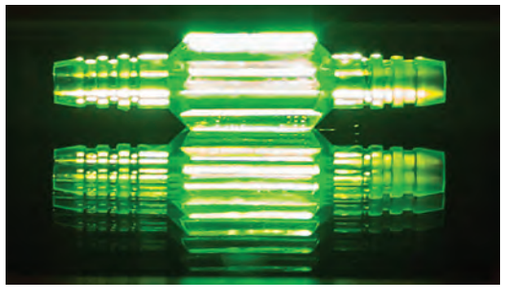
If your measuring requirements determine the use of a large screen vertical axis comparator, then look no further than the Starrett VF600.

A design based upon 35 years of knowledge in the manufacture of high performing optical comparators, the VF600 has market leading specifications.

The VF600 is ideal for the larger components found in the electronics, stamping and extrusion industries.

With single or multiple lens turret, choice of workstages and large range of digital readout and software options the VF600 is the ultimate in vertical axis optical comparators.





Features

- Available with the full range of MetLogix™ or Quadra-Chek® readout systems (as shown)
- Fully usable 24" (600mm) diameter screen with precision cross lines and overlay clips
- Screen angled at an optimum 30° to give bright, easily viewed image, and allowing easy tracing or overlay work
- Single lens mount or 3-lens quick change turret using silo system for maximum lens protection
- Choice of two workstage size options with manual, motorized or CNC control
- Standard measuring travel : 8" (200mm) X-axis, 4" (100mm) Y-Axis
- Optional extended measuring travel: 10" (250mm) X-axis, 6" (150mm) Y-Axis
- Fully retractable duplex fibre optic surface illumination
- Fast traverse, quick release mechanism on X and Y axis
- Exceptionally stable, all metal construction for optimum performance and accuracy
- Supplied complete with full canopy and curtains
- High precision workstage with 16 x 9" (400 x 225mm) top plate
- Stage weight capacity: 66lbs (30kg) (evenly distributed)
- 10x, 20x, 25x, 31.25x 50x and 100x lenses available (x5 fixed or interchangable lenses available by special order)
- Screen driven rotary Q axis
- 0.001mm resolution Heidenhain linear scales
- Wide range of accessories available, including screen overlay templates

Starrett VF600

Quadra-Chek® Readouts

The Quadra-Chek readout range is considered the industry standard for the precision measurement and inspection of geometric components.

Their design reflects a deep understanding of user needs, with an intuitive user interface and simple, meaningful visual displays; innovations that improve operator productivity, reduce errors and save time and money.

MetLogix™ Touchscreen Readouts

MetLogix Software and Touchscreen readouts have a broad range of powerful, user-friendly functions on a compact, icon based touchscreen interface in place of the traditional control.

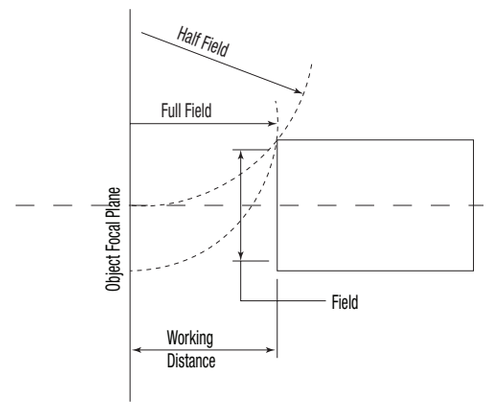
Readout Options

Specification:	QUADRA-CHEK				METLOGIX			
	QC121	QC221	QC221E	QC5215	M1E	M2	M2E	M3E
Touchscreen operation					•	•	•	•
Angular digital measurement in readout	•	•	•	•	•	•	•	•
X-Y-Q axis digital readout	•	•	•	•	•	•	•	•
Geometric function digital readout		•	•	•	•	•	•	•
Computer with geometric software readout				•	•	•	•	•
On screen edge sensing			•	•	•		•	•
Video measurement								•

Functions •

Field of View

Guide to Maximum Component Size (mm)							
Magnification		X5	X10	X20	X25	X50	X100
Field of View		120	60	30	24	12	6
Working Distance		220	138	127	103	88	44
Max Work Diameter	Half Field	140	140	140	140	140	140
	Full Field	140	140	140	140	140	98
Projected Image			Vertically Correct				



Field of View Terminology

Working Distance: The distance between the objective lens and the component when the component is in focus.

Field of View (FOV): The viewing area of the component. A 30mm FOV using a 10x lens would produce a screen image of 300mm.

Half Field View: The maximum size a component can be projected to the centre of the screen before colliding with the lens.

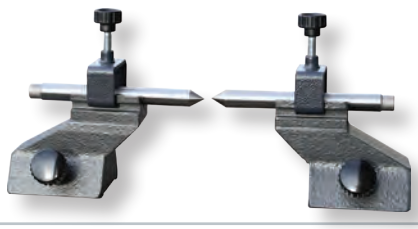
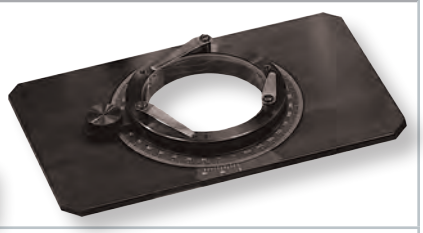
Full Field View: The maximum size a component can be projected over the full screen before colliding with the lens.

Projected Image: How a component is projected onto the screen in relation to its placement on the workstage.

Accessories

Starrett manufactures a comprehensive range of fixtures and accessories to suit our full range of optical comparators.

Each accessory is made from the highest quality material and is machined, assembled and inspected to the same stringent quality standards as the comparator itself.

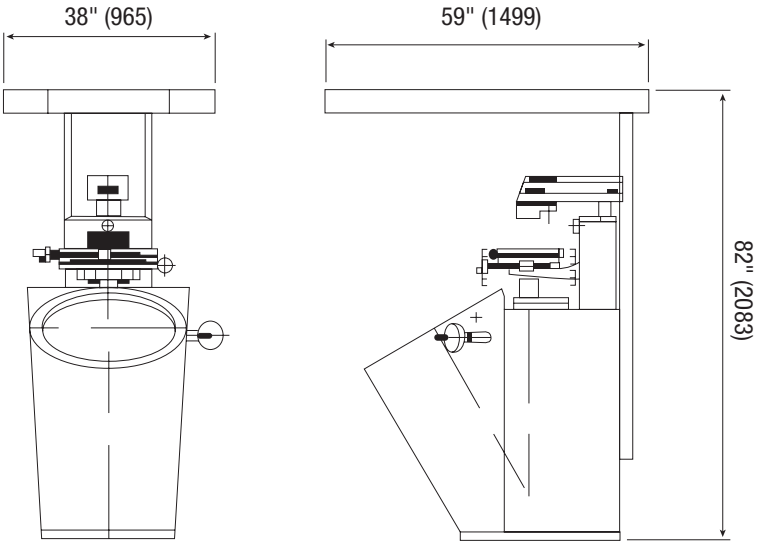
Accessories		
		
Helix Center Support Fixture	Precision Centers and Vees	Precision Rotary Workstage

VF600 Dimensions

Gross Weight: 903lbs (410kg)

Net Weight: 507lbs (230kg)

Shipping dimensions: 60" x 47" x 81"
(152 x 120 x 206cm)



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